

## CLAIMS

### What is claimed is:

1. A system that uses reference codes to establish properties of program modules, wherein the improvement comprises : a storage medium for recording a function  
5 description and reference code correspondence table to describe the properties of the program modules; and each of the program modules has a program pointer point towards a specific reference code and the reference codes are inserted into the source codes of different properties of program modules during programming so that serve as a reference for programming, linking and debugging.
- 10 2. The system of claim 1, wherein the reference codes are assigned and arranged using numbers.
3. The system of claim 1, wherein the program modules are selected from the group consisting of item, purchasing order, production order, actual ship, open sales order, on-hand stock, bill of material (BOM), material related data, vendor source list, and  
15 quotation of prices as used in manufacturing supply chains.
4. A method that uses reference codes to establish properties of program modules so that serve as a reference for programming, linking, and debugging for an immense program source code to be easily updated and modified, comprising the steps of:  
  
establishing a function description and reference code correspondence table and  
20 recording the table in a storage medium;  
  
inserting the reference codes into corresponding source codes;  
  
linking each of the source codes to generate a complete source code; and  
  
compiling and linking the complete source code to produce an executable program.

5. The method of claim 4, wherein the reference codes are assigned and arranged using numbers.

6. The method of claim 4, wherein the program modules are selected from the group consisting of item, purchasing order, production order, actual ship, open sales order,  
5 on-hand stock, bill of material (BOM), material related data, vendor source list, and quotation of prices as used in manufacturing supply chains.